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PTO/SB/05 (2/98)

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## UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	1744.0630002
First Inventor or Application Identifier	David F. Sorrells
Title	Wireless Local Area Network (WLAN) Technology and Applications Including Techniques of Universal Frequency Translation
Express Mail Label No.	

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2. ☒ Specification [Total Pages 243]

(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 244]

4. ☐ Oath or Declaration [Total Pages \_\_\_\_\_]

a. ☐ Newly executed (original or copy)

b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)  
[Note Box 5 below]

i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).

5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

a. ☐ Computer Readable Copy

b. ☐ Paper Copy (identical to computer copy)

c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Two Return Receipt Postcards (MPEP 503)  
(Should be specifically itemized)
14. ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired  
(PTO/SB/09-12)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Other: 37 C.F.R. § 1.136(a)(3) Authorization

☐ Other:  
\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No: \_\_\_\_/\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

## 18. CORRESPONDENCE ADDRESS

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NAME (Print/Type)	Michael D. Lee	Registration No. (Attorney/Agent)	35,239
SIGNATURE		Date	8/4/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sorrells *et al.*

Appl. No. 1744.0630002

Filed: August 4, 2000

For: **Wireless Local Area Network  
(WLAN) Technology and  
Applications Including  
Techniques of Universal  
Frequency Translation**

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 1744.0630002



**Authorization To Treat A Reply As Incorporating An Extension Of Time  
Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

*for [Signature]*  
Michael Q. Lee 36-17  
Attorney for Applicants  
Registration No. 35,239

Date: \_\_\_\_\_

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\*\*REGISTERED PATENT AGENTS

August 4, 2000

WRITER'S DIRECT NUMBER:  
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Commissioner for Patents  
Washington, D.C. 20231

*Box Patent Application*

Re: U.S. Non-Provisional Utility Patent Application  
Appl. No. To be assigned; Filed: August 4, 2000  
For: **Wireless Local Area Network (WLAN) Technology and Applications  
Including Techniques of Universal Frequency Translation**  
Inventors: Sorrells *et al.*  
Our Ref: 1744.0630002

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17); (*in duplicate*);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. U.S. Utility Patent Application entitled:

**Wireless Local Area Network (WLAN) Technology and Applications  
Including Techniques of Universal Frequency Translation**

Commissioner for Patents

August 4, 2000

Page 2

and naming as inventors:

David F. Sorrells  
Michael J. Bultman  
Robert W. Cook  
Richard C. Looke  
Charley D. Moses, Jr.  
Gregory S. Rawlins  
Michael W. Rawlins

the application consisting of:

- a. A specification containing:
- i. 226 pages of description prior to the claims;
  - ii. 16 pages of claims (61 claims);
  - iii. a one (1) page abstract;
- b. 244 sheets of drawings: (Figures 1A-D, 2-5, 6A-I, 7-14, 15A-F, 16-19, 20A-G, 21, 22A-F, 23A-F, 24A-J, 25-45, 46A, 46B, 47, 48, 49A, 49B, 50, 51, 52A, 52B, 53-55, 56A, 56B, 57-60, 61A, 61B, 62-70, 71A-D, 72A-J, 73A, 73B, 74, 75A-C, 76A, 76B, 77, 78, 79A-D, 80, 81A-C, 82-88, 89A-E, 90-100, 101A, 101B, 102-127, 128A-D, 129A-S, 130, 131, 132A-E, 133, 134, 135A-G, 136-139, 140A-L, 141A, 141B, 142, 143A, 143B, 144A, 144B, 145A-D, 146-212);
4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3); (*in duplicate*);
5. Two (2) return postcards; and
6. Our check number 18309 for \$1,428.00 to cover \$690.00 filing fee and \$738.00 excess claims fee.

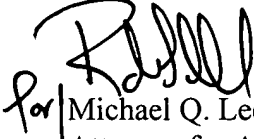
It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Commissioner for Patents  
August 4, 2000  
Page 3

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

  
for Michael Q. Lee 31,113  
Attorney for Applicants  
Registration No. 35,239

MQL/JSW:asl  
Enclosures

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SKGF ver.6/20/00 mac

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